Department of Civil Engineering
Morgan State University

The School of Engineering’s graduate program (within the School of Graduate Studies) provides a vehicle for the Department of Civil Engineering (DCE) to offer broad but comprehensive interdisciplinary Master of Engineering (M.Engr.) and Doctor of Engineering (D.Engr.) degrees. Hence, the DCE has positioned itself to offer comprehensive, innovative programs in advanced engineering education and research.

At the graduate level, the DCE provides each student with a new blend of skills and a broad but comprehensive, interdisciplinary advanced engineering education which is required of the engineer who practices in the civil engineering-related disciplines in the 21st century.

Civil engineering-related concentrations include:
- Structural Engineering, Structural Mechanics
- Geotechnical Engineering, Geomechanics
- Transportation Engineering, Environmental Engineering, Hydraulic/Hydrologic Engineering
- Water Resources, Geohydrology, hydrology
- Construction Engineering and Management, and Infrastructure Engineering and Planning.

Master of Engineering

If an applicant holds a Bachelor's Degree in computer science, mathematics, physics, and other science, he/she may be required to take:
- Required Core Courses: 9 credits
- Required Seminars: 2 credits
- Concentration Electives: 18 credits
- Project Report/Thesis/Electives: 4/5/6 credits
- Total required credits: 33/34/35 credits

The three required core courses include Advanced Engineering Math with Computational Methods (3 credits) Advanced Project Management (3 credits), and Environmental Impact & Risk Assessment (3 credits). The three options or plans are project reports (4 credits) or thesis (5 credits) or additional elective courses (6 credits), and require the total of credits to be 33, 34 and 35, respectively.

If an applicant holds a Bachelor's Degree in a field other than engineering, mathematics and sciences, preparatory courses with varying credits may be required prior to the minimum requirements listed previously.

Doctor of Engineering

Each student’s program is individually tailored based on education, experience, and aspirations. There are two options in the doctoral program:

Option 1: If an applicant holds a B.S./B.E. degree, the minimum requirement for a D. Engr. degree is 60 credit hours beyond a Bachelor's Degree. This does not include credits for dissertation. Of the 60 credits a minimum of 21 credits must be at the 600 level and above; a maximum of 9 credits may be at the 400 level; and the remaining must be at the 500 level and above. Up to 9 graduate credits from an accredited institution at the 500-600 equivalent level may be transferred with approval. A minimum of 12 dissertation credit hours is required.

Option 2: If one holds a M.S./M.E. degree, the minimum requirement for a D. Engr. degree is 30 course credit hours at the 500-600 level and above, of which a minimum of 18 credits are at the 600 level and above. This does not include credits for dissertation. A minimum of 12 dissertation credit hours is required. Up to 6 graduate credits at the 500-600 equivalent level or above may be transferred with approval from an accredited institution.

Doctor of Engineering CE Graduates

Dr. Tony Graham ’02 Infra. Engr. and Plan.
Dr. Duowen Ding’03 Geomechanics
Dr. A.Bert Davy ’04 Structural Engr.

Dr. Kexin Ma’04 Geotechnical Engr.
Dr. David Wang’04 Structural Engr.
Dr. Cecelia Wright Brown’05 Infra. Engr.
Dr. Coray Davis’06 Transportation Engr.
Dr. Ronald Marshall’06 Transportation Engr.
Dr. Yi Liu’06 Geotechnical Engr.
Dr. Jawad Abdullah’07 Transportation Engr.
Dr. Avijit Maji’06 Transportation Engr.
Dr. Sutapa Samanta’08 Transportation Engr.
Dr. Hellon Ogallo’09 Transportation Engr.
Dr. Lijun Zhang’09 Groundwater Hydr.
Dr. Yohannes Weldegiorgis’09 Transp. Engr.
Dr. Ogechi Elekewuchi’10 Transp. Engr.
Dr. Petronella James’11 Transp. Engr.
Dr. Anthony Mbakwe’11 Transp. Engr.
Dr. Gautham Karri’12 Transp. Engr.
Dr. Aysar Odeh’13 Transp. Engr.
Dr. Diane Jones Allen’14 Transp. Engr.
Dr. Anam Ardeshiri’14 Transp. Engr.
Dr. Marcus Carwell’14 Transp. Engr.
Dr. Safieh Laaly’14 Transp. Engr.

Jiang Li
Ph.D., University of Nevada, Reno
Samuel P. Massie Chair of Excellence Professor
Research Interests
Rock & Soil Mechanics, Hydrogeology; Aquifer Mechanics; Modeling of GW flow & Land movement.

Cecelia Wright Brown
D.E., Morgan State University
Lecturer
Research Interest
Construction Management and Infrastructure Engineering.

Kadir Aslan
Ph.D., Illinois Institute of Technology
Research interest
Steve Efe
D.E., Morgan State University
Assistant Professor
Research Interests
STEM Education Research, Vibration in Structures, Structural Health Monitoring, Sustainable Infrastructure, Risk Analysis of Steel & Steel-Concrete Structures.

James G. Hunter
Ph.D., Purdue University
Associate Professor
Research Interests
Mitigation of Wetlands, Hydraulics, Hydrology Environmental Engineering, Storm Water Management.

Donghee Kang
Ph.D., Purdue University
Assistant Professor
Research Interests
Hydraulics, Hydrology, and Application to Storm Water and Environmental Engineering.

Yi Liu
D.E., Morgan State University
Assistant Professor
Research Interests
Geotechnical Engineering, Geohydrology, Aquifer Mechanics, Modeling of Land Subsidence & Sea Level Rise.

Gbekeloluwa Oguntimein, P.E., COREN
Ph.D., Iowa State University
Lecturer
Research Interests
Biochemical Process Engineering, Environmental Engineering & Molecular Toxicology, Sustainability Energy.

Simon Oladele
Ph.D. University of Botswana
Lecturer
Research Interests
Sustainable Infrastructure, Transportation Planning, Traffic Operations, Intelligent Transportation System.

Oludare Owolabi,
D.Sc. George Washington University
Assistant Professor
Research Interests

Kiruthika Saminathan
M.S. Digital Architecture, Anna University
Lecturer
Research Interests
GIS and Digital Architecture

Mehdi Shokouhian
Ph.D., Tsinghua University
Assistant Professor
Research Interests
Structural and Earthquake Engineering, High Performance Materials, Numerical and Experimental Methods, Sustainable design, Offshore Structures.

ADJUNCT FACULTY

Enock Bonyi, Ph.D
Bioengineering and Environmental Engineering

Tranell Griffin, M.S.
Planning and GIS & Application to Engineering

Siafa Grose, D. Engr.
Engineering Mechanics

Chungom Ntonifor, M.S.
Transportation Study and Structure Engineering

Mihali Popescu, Ph.D.
Geotechnical Engineering

Mohmood Yahai, Ph.D.
Structural Engineering

Francis Udenta, M.E.
Civil Engineering

Nicodeme Wanko, M.S.
Structural Engineering and Construction Management

A. Neal Willoughby, M.S.M.E., M.S.Aer.E.
Computational Fluid Dynamics, Finite Element

Yohannes Weldegiorgis, D.E.
Transportation Engineering

Abiodun Odunmbaku-Wilson, Ph.D.
Transportation Engineering

Questions regarding admissions, financial aid, contact:

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Morgan State University
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